

[54] **PROCESS FOR THE PREPARATION OF  
ALKYLTHIOMETHYLPHENOLS AND  
ARYLTHIOMETHYLPHENOLS**

[75] Inventors: **Karlfried Wedemeyer**, Cologne;  
**Helmut Fiege**, Leverkusen, both of  
Fed. Rep. of Germany

[73] Assignee: **Bayer Aktiengesellschaft**,  
Leverkusen, Fed. Rep. of Germany

[21] Appl. No.: **211,987**

[22] Filed: **Dec. 1, 1980**

**Related U.S. Application Data**

[63] Continuation of Ser. No. 65,687, Aug. 10, 1979, abandoned.

**Foreign Application Priority Data**

[30] Sep. 1, 1978 [DE] Fed. Rep. of Germany ..... 2838273

[51] Int. Cl.<sup>3</sup> ..... **C07C 148/00**

[52] U.S. Cl. .... **568/45; 568/44;**  
**568/49; 568/50; 568/51; 568/52; 568/54**

[58] Field of Search ..... **568/44, 45, 49, 50,**  
**568/51, 52, 54**

**References Cited**

**U.S. PATENT DOCUMENTS**

2,831,030 4/1958 Chenicek ..... 568/45  
3,179,701 4/1965 Rocklin ..... 568/47  
3,553,270 1/1971 Wollensak et al. .... 568/51 X  
3,903,173 9/1975 Eggensperger et al. .... 568/51  
4,304,940 12/1981 Wedemeyer et al. .... 568/45

**FOREIGN PATENT DOCUMENTS**

1910588 9/1970 Fed. Rep. of Germany .  
2614875 10/1977 Fed. Rep. of Germany .  
1499043 1/1978 United Kingdom ..... 568/51

**OTHER PUBLICATIONS**

Rudermann, et al., J. Am. Chem. Soc., 71(2), p. 264, (1949).

Poppelsdorf, et al., J. Chem. Soc. (1954), pp. 1124-1130.  
Wagner, et al., "Lackunsthärze", pp. 33-37, Munich, (1971).

Miyamoto, et al., Chemical Abstracts, 82, 86197x (1975).

Houben-Weyl, vol. 6/1C, 4th ed., p. 1042 (1976).

Primary Examiner—Robert Gerstl

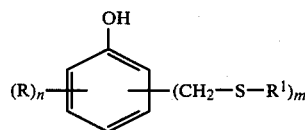
Assistant Examiner—Diana G. Rivers

Attorney, Agent, or Firm—Felfe & Lynch

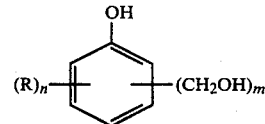
[57]

**ABSTRACT**

The present invention provides a process for the preparation of an alkylthiomethylphenol or arylthiomethylphenol of the general formula



in which m, n, R and R<sup>1</sup> have the meaning mentioned in the specification, in which a hydroxymethylphenol of the general formula



is reacted with a mercaptan or thiophenol at a temperature of from 20° to 200° C., if appropriate in the presence of a diluent.

**29 Claims, No Drawings**